

Bureau of Air Quality Conditional Major Operating Permit

Aramark Uniform & Career Apparel, LLC 215 Commerce Court Duncan, South Carolina 29334 Spartanburg County

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), and 48-1-110(a), the 1976 Code of Laws of South Carolina, as amended, and South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the operating permit request received on July 18, 2017, as amended. All official correspondence, plans, permit applications and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction or operating permit may be grounds for permit revocation.

The operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

	Permit Number:	CM-2060-0542	
ssue Date:	DRAFT	Effective Date:	DRAFT
		ı, P. E., Director ing Division	

Bureau of Air Quality

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RECORD OF REVISIONS		
Date	Description of Changes	



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A. EMISSION UNIT DESCRIPTION

Emission Unit ID	Emission Unit Description	
01	Industrial laundry operation.	

B. EQUIPMENT AND CONTROL DEVICE(S)

B.1 EQUIPMENT FOR EMISSION UNIT 01 – Industrial laundry operation

Equipment	Equipment Description	Installation/	Control	Emission
ID	· · · · · · · · · · · · · · · · · · ·	Modification Date	Device ID	Point ID
B1	12.186 Million BTU/hr natural gas boiler. Johnston PFTA 300 HP-4G-150S natural gas-fired boiler with Low NO_X (30 ppm) burner.	2/2017	None	S1
W1	Ellis 900SL Washer with a 900 lbs clean dry weight capacity	2/2017	None	Fugitive
W2	Ellis 900SL Washer with a 900 lbs clean dry weight capacity	2/2017	None	Fugitive
W3	Ellis 900SL Washer with a 900 lbs clean dry weight capacity	2/2017	None	Fugitive
W4	Jensen 800 AP pocket Washer with an 800 lbs clean dry weight capacity	2/2017	None	Fugitive
W5	Braun 450N2OLUVP Washer with a 600 lbs clean dry weight capacity	2/2017	None	Fugitive
W6	Braun 250N2OLUVP Washer with a 300 lbs clean dry weight capacity	2/2017	None	Fugitive
PW1	Milnor 42026V6J Pony Washer with a 140 lbs clean dry weight capacity	2/2017	None	Fugitive
PW2	Milnor 42026V6J Pony Washer with a 140 lbs clean dry weight capacity	2/2017	None	Fugitive
D1	Ellis WD7664 natural gas-fired dryer. 450 lbs clean dry weight, 1.8 Million BTU/hr rated heat input capacity.	2/2017	C1	S2
D2	Ellis WD7664 natural gas-fired dryer. 450 lbs clean dry weight, 1.8 Million BTU/hr rated heat input capacity.	2/2017	C2	S 3
D3	Ellis WD7673 natural gas-fired dryer. 675 lbs clean dry weight, 1.8 Million BTU/hr rated heat input capacity.	2/2017	С3	S4

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B.1 EQUIPMENT FOR EMISSION UNIT 01 – Industrial laundry operation

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
	Speed Queen ST 170 RE OPL natural gas-fired			
PD1	pony dryer. 170 lbs clean dry weight, 0.395	2/2017	PC1	S6
	Million BTU/hr rated heat input capacity.			
	Speed Queen ST 170 RE OPL natural gas-fired			
PD2	pony dryer. 170 lbs clean dry weight, 0.395	2/2017	PC2	S7
	Million BTU/hr rated heat input capacity.			
WWT	Wastewater pretreatment system. 80,000 GPD.	2/2017	None	Fugitive
	Fugitive emissions associated with solid shop			
SST	towel laundering. Design capacity is 47,041,200	2/2017	None	Fugitive
	SST/year.			

B.2 CONTROL DEVICE(S) FOR EMISSION UNIT 01 – Industrial laundry operation

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
C1	Ellis dryer lint trap. 10,000 cfm	2/2017	PM/PM ₁₀ /PM _{2.5}
C2	Ellis dryer lint trap. 10,000 cfm	2/2017	PM/PM ₁₀ /PM _{2.5}
C3	Ellis dryer lint trap. 10,000 cfm	2/2017	PM/PM ₁₀ /PM _{2.5}
PC1	Speed Queen dryer lint trap. 5,000 cfm	2/2017	PM/PM ₁₀ /PM _{2.5}
PC2	Speed Queen dryer lint trap. 5,000 cfm	2/2017	PM/PM ₁₀ /PM _{2.5}

Condition Number	Conditions
	Emission Unit ID: 01
	Equipment ID: All
	Control Device ID: All
C.1	(S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of
	at least 5 years from the date the record was generated and shall be made available to a Department
	representative upon request.

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Condition Number	Conditions
	Emission Unit ID: 01 Equipment ID: B1 Control ID: None
C.2	This source is subject to New Source Performance Standards (NSPS), 40 CFR 60 Subpart A, General Provisions and Subpart Dc, Small Industrial-Commercial-Institutional Steam Generating Units and S.C. Regulation 61-62.60, Subparts A and Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as applicable. Compliance with the regulation shall be demonstrated by burning only natural gas or propane for fuel. The use of other fuels will subject this source to additional emission limitations and is prohibited without prior written approval from the Department.
	The owner/operator shall record and maintain records of the amounts and types of each fuel combusted by this source. The amount and type of fuel combusted shall be recorded monthly. As an alternative, the owner/operator may record and maintain records of the total amount of each source's fuel delivered to the facility during each calendar month.
	Pursuant to 40CFR60 §60.48c, the owner/operator of each affected facility shall submit notification of the date of construction and actual startup, as provided by §60.7 of this part.
	Emission Unit ID: 01 Equipment ID: B1 Control ID: None
	(S.C. Regulation 61-62.5, Standard No. 5.2, Section III) The allowable discharge of NO_X resulting from this source is 0.036 pounds per million British thermal units (lb/MMBtu).
C.3	(S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) The owner or operator shall perform tune-ups every twenty-four (24) months in accordance with manufacturer's specifications or with good engineering practices. The first tune-up shall be conducted no more than twenty-four (24) months from replacement of a burner assembly for affected existing sources. Each subsequent tune-up shall be conducted no more than twenty-four (24) months after the previous tune-up.
	All tune-up records are required to be maintained on site and available for inspection by the Department for a period of five (5) years from the date generated.
	The owner or operator shall develop and retain a tune-up plan on file.
	(S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) The owner or operator shall record monthly the amounts and types of each fuel combusted by the affected sources and maintain these records on site.

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Condition Number	Conditions
	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected source; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
	Emission Unit ID: 01 Equipment ID: B1 Control ID: None (S.C. Regulation 61-62.5, Standard No. 1, Section I) The fuel burning source(s) shall not discharge into the ambient air smoke which exceeds opacity of 20%. The opacity standards set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and
C.4	operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. This source is permitted to burn only natural gas as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department.
	(S.C. Regulation 61-62.5, Standard No. 1, Section II) The maximum allowable discharge of particulate matter resulting from this source is 0.6 pounds per million BTU input. (S.C. Regulation 61-62.5, Standard No. 1, Section III) The maximum allowable discharge of sulfur dioxide (SO ₂) resulting from this source is 2.3 pounds per million BTU input.
	Emission Unit ID: 01 Equipment ID: W1, W2, W3, W4, W5, W6, PW1, PW2, WWT, SST, D1, D2, D3, PD1, PD2 Control ID: C1, C2, C3, PC1, PC2 (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an
C.5	opacity greater than 20%, each. (S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations: For process weight rates less than or equal to 30 tons per hour $E = (F) 4.10P^{0.67}$ and For process weight rates greater than 30 tons per hour
	E = (F) 55.0P ^{0.11} – 40 Where E = the allowable emission rate in pounds per hour P = process weight rate in tons per hour F = effect factor from Table B in S.C. Regulation 61-62.5, Standard No. 4

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Condition Number	Conditions		
Number	For the purposes of compliance with this condition, the process boundaries are defined as follow		
	Process/Equipment IDs	Max Process Weight Rate (ton/hr)	
	D1	0.30	
	D2	0.30	
	D3	0.45	
	PD1	0.11	
	PD2	0.11	
	processes controlled by lint traps are operating, except failure. A schedule shall be implemented for the daily is of the lint filters. Records of these events shall be maintained on site. (D1, D2, D3, PD1, PD2) The Dryers are permitted to bur substances as fuel is prohibited without prior written Facility-Wide: The facility is not permitted to launder print towels	nspection and regular cleani maintained in logs (written rn only natural gas as fuel. Th approval from the Bureau o	ing or replacement or electronic) and ne use of any other f Air Quality.
C.6	towels that are sent to the facility will be bagged and prior to being shipped off-site for laundering. The facility is not permitted to launder shop towels co	stored in a cover area or in	sealed containers
	Shop towels must be laundered separately from other	r textile goods.	
	All records required to demonstrate compliance under period of at least 5 years from the date the record we Department representative upon request.	-	
	Facility-Wide:		
C.7	(S.C. Regulation 61-62.70.3(a)1)) This facility is a Compounds (VOC) emissions. The facility has agreed to limit its potential to emit to less than 100 tons VOC	to federally enforceable op	erating limitations
	The owner/operator shall comply with the < 100 ton weight of the soiled shop towels (SST) to be laundered shall weigh the SST daily and calculate a monthly total	d to 4,200 tons per year. Th	ne owner/operator

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	be calculated for the weight of SST. The twelve-month rolling sum of SST shall be less than 4,200 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted annually.
	The owner/operator shall maintain records of all VOCs. These records shall include the weight of the SST, emission factors (lbs of VOC or lbs of HAPs per lbs of SST) and any other records necessary to determine VOC emissions.
	An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall only be included in the initial report. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.

D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY - RESERVED

E. NESHAP - CONDITIONS - RESERVED

F. PERMIT FLEXIBILITY

Condition Number	Conditions	
	The facility may undertake minor alterations without a construction permit, or without revising or reopening the operating permit unless otherwise specified by any State or Federal requirement. These minor alterations must meet the criteria and procedures as prescribed in this condition. This flexibility only covers exempt sources and existing permitted sources. The owner or operator may be subject to possible enforcement if the activity is found to be inconsistent with the permit flexibility conditions.	
F.1	 Permit Flexibility Criteria for Existing and Exempt Sources The activity will not result in emissions that will exceed any limit in this permit. The activity does not trigger a new regulation or regulatory requirement. See exceptions under (I)7 of this section. The activity does not result in a change in a permit term, condition, or limit. The activity does not result in a new permit term, condition, or limit. The activity does not result in emissions that would potentially subject the facility to the Title V operating permit program. 	
	6. The activity does not trigger S.C. Regulation 61-62.5, Standards No. 7 and No. 7.1 or synthetic	

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F. PERMIT FLEXIBILITY

Condition Number	Conditions						
Number	minor permitting requirements. 7. The activity conducted on the existing permitted source does not meet the definition of new source, modification or reconstruction under 40 CFR Part 60, 61 or 63. This criteria does not apply to new/existing exempt sources under S.C. Regulation 61-62.1 II.B.2 or the BAQ published exempt list. Although exempt from construction permitting, sources subject to federal air rules must meet all applicable requirements. Generators shall comply with the requirements of all applicable regulations including but not limited to New Source Performance Standards (NSPS) 40 CFR 60 Subparts A (General Provisions); IIII (Stationary Compression Ignition Internal Combustion Engines); and JJJJ (Stationary Spark Ignition Internal Combustion Engines); and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants (NESHAP), Subparts A (General Provisions) and ZZZZ (NESHAP for Stationary Reciprocating Internal Combustion Engines). Existing affected sources shall comply with the applicable provisions by the compliance date specified in the applicable Subpart. Any new affected sources shall comply with the requirements of these Subparts						
	 upon initial start-up unless otherwise noted. 8. Compliance with S.C. Regulations 61-62.5 Standards No. 2 (Ambient Air Quality Standards), No. 7 (PSD) and No. 8 (Toxic Air Pollutants) is not affected. 9. Any activity exempted in S.C. Regulation 61-62.1 Section II.B.2 or the BAQ published exempt source list. Case by case exemptions described in Section II will require prior written approval. 						
	 (II) Ambient Air Standards Demonstration Flexibility Changes that impact an ambient air standards demonstration (such as air dispersion modeling), but are otherwise allowed under the permit flexibility condition, shall be allowed provided: Updated air dispersion modeling or other information demonstration is conducted prior to the source operating under the new operating scenario. A copy of these results for the new operating scenario are kept on site and available for inspection. The air dispersion model used must be BAQ approved. The facility must submit a written request to modify the demonstration within 3 business days of operating under the new operating scenario. The demonstration shall include a description of the scenario, emission rates, modeling results, modeling files and a completed modeling information form and any other pertinent information relevant to the demonstration. This request shall be submitted to the Director of Air Permitting. 						
	 (III) Record Keeping As part of this permit flexibility procedure, the facility shall keep an on-site implementation log (OSIL) (written or electronic), to document all changes made under the procedure. The OSIL will be kept with the facility's air permit and made available for inspection. The OSIL shall provide detailed information supporting the changes made under this procedure. At a minimum all of the following items shall be included in the OSIL: 1. A brief description of the activity and how it meets the criteria listed in this condition. Include impacted equipment identification numbers, operating permit identification unit, and stack 						

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F. PERMIT FLEXIBILITY

Condition Number	Conditions						
	 identification. The date the activity occurred. A demonstration that the activity did not trigger any new regulations, standards or requirements. A demonstration that the activity did not result in a change in any existing permit term, condition or limit; and did not result in a need for a new permit term, condition or limit. Emissions calculations for all regulated air pollutants resulting from the activity and demonstration that when added to the existing emissions all permit limits will be met. This should include the increase and the facility-wide emissions totals from the activity. A list of exempt sources will be kept with the OSIL and only the information required by the regulation for the exemption shall be included with the OSIL. 						
	(IV) Reporting Reports of activities conducted under this permit flexibility condition shall be submitted every 5 years, unless no changes were made, from the permit effective date and every 5 years thereafter, to the Director of Air Permitting. See ambient air standards demonstration flexibility section of this condition for modeling or other information demonstration reporting requirements. In addition to the record keeping and reporting requirements in the flexibility condition (F.1), at the end of every calendar year but no later than January 31, the permit holder shall review their facility's equipment, processes, and materials to determine if: a) there have been any changes allowed by the flexibility condition that have not been documented; b) all required documentation is present for previous recorded changes; and c) if there have been any changes made that are not allowed by the flexibility condition.						
F.2	Any changes allowed by the flexibility condition that have not previously been documented should be added to the facility's onsite implementation log (OSIL), along with supporting documentation explaining what has changed. Any OSIL entries without all required documentation should be updated. Any changes made that are not allowed under the flexibility condition should be reviewed and appropriate corrective action initiated. The permit holder shall document that this review of the facility's equipment, processes, and materials has been conducted and that the OSIL has been updated or amended, or other appropriate corrective action initiated. If no changes were found, the review shall note such.						

G. AMBIENT AIR STANDARDS REQUIREMENTS

Condition Number	Conditions
G.1	Air dispersion modeling (or other method) has demonstrated that this facility's operation will not
	interfere with the attainment and maintenance of any state or federal ambient air standard. Any

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G. AMBIENT AIR STANDARDS REQUIREMENTS

Condition Number	Conditions
	changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment - Emission Rates for Ambient Air Standards of this permit. Higher emission rates may be administratively incorporated into Attachment - Emission Rates for Ambient Air Standards of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded.
	The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified above. This is a State Only enforceable requirement.

H. PERIODIC REPORTING SCHEDULE

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date	
	January-March	April 30	
Quartarly	April-June	July 30	
Quarterly	July-September	October 30	
	October-December	January 30	
	January-June	July 30	
Semiannual	April-September	October 30	
Semiamuai	July-December	January 30	
	October-March	April 30	
	January-December	January 30	
Appual	April-March	April 30	
Annual	July-June	July 30	
	October-September	October 30	

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H. PERIODIC REPORTING SCHEDULE

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
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Note: This reporting schedule does not supersede any federal reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and 40 CFR Part 63. All federal reports must meet the reporting time frames specified in the federal standard unless the Department or EPA approves a change.

I. REPORTING CONDITIONS

Condition Number	Conditions						
I.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Periodic						
	Reporting Schedule of this permit.						
	All reports and notifications required under this permit shall be submitted to the person indicated in						
	the specific condition at the following address:						
1.2	2600 Bull Street						
	Columbia, SC 29201						
	The contact information for the local Environmental Affairs Regional office can be found at:						
	http://www.scdhec.gov						
1.3	Unless elsewhere specified within this permit, all reports required under this permit shall be						
	submitted to the Manager of the Technical Management Section, Bureau of Air Quality.						
	(S.C. Regulation 61-62.1, Section II.J) For sources not required to have continuous emissions monitors,						
	any malfunction of air pollution control equipment or system, process upset or other equipment						
	failure which results in discharges of air contaminants lasting for one hour or more and which are						
	greater than those discharges described for normal operation in the permit application shall be						
	reported to the Department's local Environmental Affairs Regional office within 24 hours after the						
	beginning of the occurrence.						
	The owner/operator shall also submit a written report within 30 days of the occurrence. This report						
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1.4	 shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality and shall include, at a minimum, the following: 1. The identity of the stack and/or emission point where the excess emissions occurred; 2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions; 3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction; 7. The steps taken to limit the excess emissions; and, 8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner 						

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I. REPORTING CONDITIONS

Condition Number	Conditions
	consistent with good practice for minimizing emissions.

J. GENERAL CONDITIONS

Condition								
Number	Conditions							
J.1	The owner or operator shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning."							
J.2	The owner or operator shall comply with S.C. Regulation 61-62.3 "Air Pollution Episodes."							
J.3	The owner or operator shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions."							
J.4	This permit only covers emission units and control equipment while physically present at the indicated facility. Unless the permit specifically provides for the equipment relocation, this permit is void for an item of equipment on the day it is removed from the permitted facility, notwithstanding the expiration date specified on the permit.							
J.5	The permittee shall pay permit fees to the Department in accordance with the requirements of S.C. Regulation 61-30, Environmental Protection Fees.							
J.6								
J.7	 (S.C. Regulation 61-62.1, Section II.O) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following: Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. 							

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J. GENERAL CONDITIONS

Condition Number	Conditions					
	3. Inspect any facilities, equipment (including monitoring and air pollution control equipment),					
	practices, or operations regulated or required under this permit.					
	4. As authorized by the Federal Clean Air Act and/or the S.C. Pollution Control Act, sample or					
	monitor at reasonable times substances or parameters for the purpose of assuring					
	compliance with the permit or applicable requirements.					

K. PERMIT RENEWAL, MODIFICATION, EXPIRATION AND TRANSFER OF OWNERSHIP

Condition Number	Conditions						
K.1	This permit may be reopened by the Department for cause or to include any new standard or regulation which becomes applicable to a source during the life of the permit.						
K.2	This permit may be modified by the Department for cause, to include any applicable requirement or to add or alter a permit's expiration date.						
K.3	(S.C. Regulation 61-62.1, Section II.M) Within 30 days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner or operator shall submit to the Director of Air Permitting a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the facility name and mailing address; the name, mailing address, and telephone number of the owner or operator for the facility; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.						

ATTACHMENT - Emission Rates for Ambient Air Standards

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The emission rates listed herein are not considered enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see Ambient Air Standards Requirements).

STANDARD NO. 2 -AMBIENT AIR QUALITY STANDARDS EMISSION RATES (LBS/HR)						
Emission Point ID	PM ₁₀	PM _{2.5}	SO ₂	NO _x	СО	Lead
S1	0.09	0.09	0.0100	0.44	1.00	
S2	0.15	0.15	0.0011	0.18	0.15	
S3	0.15	0.15	0.0011	0.18	0.15	
S4	0.22	0.22	0.0011	0.18	0.15	
S5	0.20	0.20	0.0016	0.27	0.23	
S6	0.05	0.05	0.0002	0.04	0.03	
S7	0.05	0.05	0.0002	0.04	0.03	
S8	0.01	0.01	0.0009	0.15	0.12	
S9	0.007	0.007	0.0006	0.10	0.08	

TOXIC AIR POLLUTANTS – STANDARD NO. 8							
	Emission Rates (lbs/hr)						
Emission Point ID	Chloroform	Ethylbenzene	Hexane	Methanol			
	CAS# 67-66-3	CAS# 100-41-4	CAS# 110-54-3	CAS# 67-56-1			
D1	6.08E-03	2.30E-03		4.29E-03			
D2	6.08E-03	2.30E-03		4.29E-03			
D3	9.11E-03	3.44E-03		6.43E-03			
PD1	2.30E-03	8.67E-04		1.62E-03			
PD2	2.30E-03	8.67E-04		1.62E-03			
PW1	3.99E-05	1.77E-03	4.32E-06	8.12E-05			
PW2	3.99E-05	1.77E-03	4.32E-06	8.12E-05			
SST	6.75E-03	1.19E-02	2.31E-05	5.04E-03			
W1	2.56E-04	1.14E-02	2.78E-05	5.22E-04			
W2	2.56E-04	1.14E-02	2.78E-05	5.22E-04			
W3	2.56E-04	1.14E-02	2.78E-05	5.22E-04			
W4	2.28E-04	1.01E-02	2.47E-05	4.64E-04			
W5	1.71E-04	7.59E-03	1.85E-05	3.48E-04			
W6	8.54E-05	3.79E-03	9.26E-06	1.74E-04			
WWT	1.10E-02	4.83E-03					

ATTACHMENT - Emission Rates for Ambient Air Standards

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TOXIC AIR POLLUTANTS – STANDARD NO. 8							
	Emission Rates (lbs/hr)						
Emission Point ID	Methyl Ethyl Ketone (2-Butanone) CAS# 78-93-3	Tetra- chloroethylene CAS# 127-18-4	Toluene CAS# 108-88-3	Trichloroethylene CAS# 79-01-6	1		
D1		7.52E-02	2.39E-03				
D2		7.52E-02	2.39E-03				
D3		1.13E-01	3.58E-03				
PD1		2.84E-02	9.01E-04				
PD2		2.84E-02	9.01E-04				
PW1	1.65E-05	2.12E-02	2.28E-03	2.51E-04	-		
PW2	1.65E-05	2.12E-02	2.28E-03	2.51E-04			
SST	8.82E-05	1.94E-01	1.48E-02	1.34E-03			
W1	1.06E-04	1.37E-01	1.47E-02	1.61E-03			
W2	1.06E-04	1.37E-01	1.47E-02	1.61E-03	-		
W3	1.06E-04	1.37E-01	1.47E-02	1.61E-03			
W4	9.42E-05	1.21E-01	1.31E-02	1.43E-03			
W5	7.07E-05	9.10E-02	9.79E-03	1.08E-03			
W6	3.53E-05	4.55E-02	4.89E-03	5.38E-04			
WWT		5.03E-03	5.17E-03				

ATTACHMENT - Emission Rates for Ambient Air Standards

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TOXIC AIR POLLUTANTS – STANDARD NO. 8							
	Emission Rates (lbs/hr)						
	2,2,4-						
Emission Point ID	Trimethylpentane	m-p-Xylene	o-Xylene				
	(Isooctane)	CAS# 179601-23-1	CAS# 95-47-6				
	CAS# 540-84-1						
D1		1.07E-02	5.54E-03				
D2		1.07E-02	5.54E-03				
D3		1.60E-02	8.30E-03				
PD1		4.03E-03	2.09E-03				
PD2		4.03E-03	2.09E-03				
PW1	6.60E-05	5.09E-03	2.26E-03				
PW2	6.60E-05	5.09E-03	2.26E-03				
SST	3.53E-04	3.87E-02	1.80E-02				
W1	4.25E-04	3.27E-02	1.45E-02				
W2	4.25E-04	3.27E-02	1.45E-02				
W3	4.25E-04	3.27E-02	1.45E-02				
W4	3.77E-04	2.91E-02	1.29E-02	-			
W5	2.83E-04	2.18E-02	9.68E-03				
W6	1.42E-04	1.09E-02	4.84E-03	-			
WWT	-	5.16E-03	5.73E-03				